Index of Claims

10/799,344

Examiner

Applicant(s)/Patent under Reexamination

MARSHALL, MICHAEL CRAIG

Art Unit

**Eunhee Kim** 

2123

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

**Appeal** 0 Objected

| Cla          | im                                     | Date   |              |              |  |  |          |          |  |  |   |  |
|--------------|--|--|--------------|--------------|--|--|----------|----------|--|--|---|--|
| Cla          |  | <u> </u>   |              |              | <u> </u>   | Jate   | ;        |          |  |  | l |  |
| Final        | Original                               | 11/6/06  | 8/3/07       | 11/13/07     |  |  |          |          |  |  |   |  |
|              | 1                                      | ٧  | -            | -            |  |  |          |          |  | П  | 1 |  |
|              | 2                                      | v  | -            | -            |  |  |          |          |  |  | l |  |
|              | 3                                      | ٧  | Ŀ            | _            |  |  |          |          |  |  | l |  |
|              | 1<br>2<br>3<br>4<br>5                  | ٧  | -            | -            |  |  |          |          |  |  | l |  |
|              | 5                                      | ٧  | Ŀ            | Ŀ            |  |  |          |          |  |  | t |  |
|              | 6                                      | ٧  | Ŀ            | Ŀ            | _  |  |          |          | Ŀ  |  | ĺ |  |
|              | 7                                      | ٧  | ŀ            | <u>:</u>     | L  |  |          | _        |  |  |   |  |
|              | 8                                      | <u> </u>   | +            | N            | ⊢  | H  | _        | _        |  |  |   |  |
|              | 9                                      |  | ++           | N            | ├  |  |          |          |  |  |   |  |
|              | 10<br>11<br>12<br>13<br>14<br>15<br>16 |  | +            | N            | ├  |  | -        |          |  | -  |   |  |
|              | 12                                     | -  | +            | N            | ┢  | Н  | -        |          | -  | _  |   |  |
|              | 13                                     | $\vdash$   | +            | N            | $\vdash$   | $\vdash$   | _        | _        |  | _  |   |  |
|              | 14                                     | ┢─   | +            | N            | -  | -  |          |          |  |  | l |  |
|              | 15                                     |  | +            | N            | ┢  | _  |          |          |  |  | l |  |
|              | 16                                     |  | +            | N            | <u> </u>   |  |          |          |  |  |   |  |
|              | 17                                     |  | +            | N            | Г  | $\overline{}$                                    |          |          |  |  |   |  |
|              | 18<br>19                               |  | +            | N            |  |  |          |          |  |  |   |  |
|              | 19                                     |  | +            | N            |  |  |          |          |  |  |   |  |
|              | 20                                     |  | +            | N            |  |  |          |          |  |  |   |  |
|              | 21                                     |  | ÷            | N            |  |  |          |          |  |  |   |  |
|              | 22                                     |  | +            | N            |  |  |          |          | L  |  |   |  |
|              | 20<br>21<br>22<br>23<br>24<br>25       | _  |              | ٧            | 匚  | L  |          |          |  | L  |   |  |
|              | 24                                     |  | L.           | V            |  | <u> </u>   |          |          | ļ  | $ldsymbol{f eta}$                                |   |  |
|              | 25                                     | <u> </u>   | <u> </u>     | V            | <u> </u>   | _  |          |          | <u> </u>   |  |   |  |
|              | 26                                     | ⊢  | ┢            | V            |  | ├-   | _        | _        | ┝  | <u> </u>   | l |  |
|              | 26<br>27<br>28<br>29<br>30             | ├  | ⊢            | ٧            | ├  | -  |          |          | <u> </u>   |  |   |  |
|              | 20                                     | ├  | ⊢            | V<br>V       | $\vdash$   | ⊢  |          |          |  |  |   |  |
|              | 30                                     | <del> </del>                                     | ⊢            | ľ            | $\vdash$   | $\vdash$   |          |          | -  | -  | l |  |
| $\vdash$     | 31                                     | -  | <del> </del> | ┢            | $\vdash$   | $\vdash$   | $\vdash$ | _        | <del>                                     </del> | -  | l |  |
|              | 32                                     |  |              | T            | $\vdash$   | ·  | $\vdash$ | _        |  |  | l |  |
|              | 33                                     |  | 1            | 1            | 1  |  |          |          |  |  | l |  |
|              | 34                                     |  |              |              | Г  |  |          | П        |  |  | l |  |
|              | 35                                     |  |              |              |  |  |          |          |  |  |   |  |
|              | 36                                     |  |              |              |  |  |          |          |  |  |   |  |
|              | 37                                     |  |              |              | L  |  |          |          |  |  |   |  |
|              | 38                                     |  | <u> </u>     | L            | _  |  | L        | L        |  |  |   |  |
|              | 39                                     | L  | ╙            | _            | <u> </u>   | L  |          | <u> </u> | _  |  | l |  |
|              | 40                                     | ļ  | <u> </u>     | <u> </u>     | <u> </u>   |  | ļ        |          | L  | _  | l |  |
|              | 41                                     | ₩  | $\vdash$     |              | ├  | <u> </u>   | <u> </u> |          | <u>.</u>   | <u> </u>   |   |  |
| ļ            | 42                                     |  | -            |              | ⊢  | ⊢  | ⊢        | ├-       | ⊢  | <u> </u>   |   |  |
| <b></b>      | 43                                     | -  | $\vdash$     | -            | ⊢  | ⊢  | $\vdash$ | <u> </u> | _  | -  | ١ |  |
| <del> </del> | 44                                     | ├  | ┼-           | ╁            | ┼  | ╁╾   |          |          | $\vdash$   | $\vdash$   | 1 |  |
| $\vdash$     | 46                                     | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | ١ |  |
| $\vdash$     | 47                                     | $\vdash$   | +-           | <del> </del> | <del>                                     </del> | <del> </del>                                     | -        | -        | -  | $\vdash$   | ١ |  |
| <u> </u>     | 48                                     | <del>                                     </del> | ┢            | T            | $\vdash$   | Н  | $\vdash$ | $\vdash$ | _  | <del>                                     </del> | ١ |  |
| <u> </u>     | 49                                     | T  | $\vdash$     | t            | 1  | T  | $\vdash$ |          |  | $t^-$  | ١ |  |
| $\vdash$     | 50                                     | 1  | +-           | $\vdash$     | <del> </del>                                     | <del>                                     </del> | $\vdash$ |          | <u> </u>   |  |   |  |

| Cla      | im       |                |          |              |              | ate           |              |              |          |              | ) [ | Cla        | im       |                |          |              | _        | ) ata        |          |          |              | $\neg$        |
|----------|----------|----------------|----------|--------------|--------------|---------------|--------------|--------------|----------|--------------|-----|------------|----------|----------------|----------|--------------|----------|--------------|----------|----------|--------------|---------------|
|          |          | -              |          |              | <u> </u>     | Zate          |              |              |          | -            |     | Cla        | 11111    | -              |          |              |          | Date         |          |          |              | $\dashv$      |
| Final    | Original | 11/6/06        | 8/3/07   | 11/13/07     |              | •             |              |              |          |              |     | Final      | Original |                |          |              |          |              |          |          |              |               |
|          | 1        | ٧              |          |              |              |               |              |              |          |              | 1 1 |            | 51       |                |          |              |          |              |          |          |              |               |
|          | 2        | ٧              | •        | -            |              |               |              |              |          | <b></b>      | 1 1 | ********** | 52       |                |          |              |          |              |          |          |              |               |
|          | 3        | ٧              | _        | -            |              |               |              |              |          | _            | 1   |            | 53       |                |          |              |          |              |          |          | $\neg$       | $\neg$        |
|          | 4        | ٧              | -        | -            | _            |               | _            |              |          |              | 1   |            | 54       |                | ┪        |              |          |              |          |          |              |               |
|          | 5        | ٧              | -        |              |              |               |              |              |          | $\vdash$     | 1   |            | 55       | П              | $\neg$   |              | _        |              |          |          | $\neg$       | $\dashv$      |
|          | 6        | v              | -        | -            |              |               |              |              | _        | $\vdash$     |     |            | 56       | Н              | $\neg$   |              |          |              | Н        | _        | $\dashv$     | $\dashv$      |
|          | 7        | v              | -        | -            | -            |               |              |              |          |              | 1   |            | 57       | Н              | $\neg$   |              |          |              |          |          | $\dashv$     | $\neg$        |
|          | 8        | Ť              | +        | N            | $\vdash$     |               |              |              |          |              | 1   |            | 58       |                |          |              |          | _            | Н        | $\neg$   | $\neg$       | $\neg$        |
| $\dashv$ | 9        | _              | +        | 2            | $\vdash$     |               | -            | _            |          | $\vdash$     |     |            | 59       | $\vdash$       | -        | _            |          | -            | Н        | $\neg$   | $\dashv$     | $\dashv$      |
|          | 10       |                | +        | Z            | $\vdash$     |               |              |              |          | -            |     |            | 60       | Н              | -        | -            |          |              | Н        | _        | $\neg$       |               |
|          | 11       |                | +        | Z            |              |               | _            |              |          | _            |     |            | 61       | Н              |          | _            |          | -            | -        |          | $\neg$       | $\neg$        |
| _        | 12       |                | +        | Z            |              |               |              | _            | _        |              | 1   |            | 62       | Н              |          |              |          |              |          |          |              | $\overline{}$ |
| $\dashv$ | 13       | _              | +        | Z            |              |               | _            | _            |          | _            | 1   |            | 63       | Н              | -        |              | _        | -            | Н        |          |              |               |
|          | 14       | -              | +        | Z            | -            |               |              |              |          |              |     |            | 64       |                |          |              |          | -            | Н        |          | $\dashv$     | Н             |
|          | 15       | -              | +        | 2            | ┢            | _             | -            | -            |          |              | 1   |            | 64<br>65 |                |          |              | -        | ⊢            | $\vdash$ | _        | $\dashv$     | $\vdash$      |
| _        | 16       | $\vdash$       | +        | z            | <del> </del> |               | -            |              |          | -            |     |            | 66       | Н              | $\dashv$ | _            | _        | Н            | Н        |          |              |               |
|          | 17       | $\vdash$       | +        | 2            | $\vdash$     | _             | _            |              |          | -            | 1   |            | 67       | Н              | $\dashv$ |              | -        | ⊢            | $\vdash$ | _        | $\dashv$     | $\vdash$      |
|          | 18       | -              | +        | 2            | -            |               |              |              | _        | $\vdash$     | 1   |            | 68       | -              |          |              | _        | _            | Н        |          | $\dashv$     |               |
|          | 19       |                | +        | N            | -            |               | _            |              | -        | ┢            |     |            | 69       | Н              | _        |              | _        | H            | -        |          |              | Н             |
|          | 20       | ┢              | +        | N            | -            |               | $\vdash$     | _            |          | ·            |     |            | 70       | -              |          |              |          |              |          |          |              | -             |
|          | 21       | $\vdash$       | +        | N            | $\vdash$     | $\vdash$      | _            | _            | -        |              | 1   |            | 71       | $\vdash$       |          | -            |          | <del> </del> |          | -        | П            | П             |
| _        | 22       | <del> </del>   | +        | N            | -            |               |              | -            | -        | ┢            | 1   |            | 72       |                |          |              |          | $\vdash$     | $\vdash$ | _        |              | _             |
|          | 23       | $\vdash$       | H        | V            | Н            |               | _            |              | -        |              | 1   |            | 73       | $\vdash$       | -        |              |          |              |          |          | $\neg$       |               |
| _        | 24       | $\vdash$       | $\vdash$ | Ť            | $\vdash$     |               | <u> </u>     | _            | -        | -            | 1   |            | 74       | $\vdash$       |          |              |          | -            | Н        |          | $\neg$       | $\Box$        |
|          | 25       | -              |          | v            | -            | -             |              |              |          | $\vdash$     | 1   |            | 75       | _              |          |              |          | _            |          |          |              | Г             |
|          | 26       | ┢╌             | <u> </u> | v            | _            | $\vdash$      |              |              | $\vdash$ | Т            | 1   |            | 76       | -              | -        |              |          | $\vdash$     |          |          | $\Box$       |               |
|          | 27       | H              | 1        | v            | _            | $\vdash$      |              | -            | $\vdash$ | $\vdash$     | 1   |            | 77       | ` '            |          |              |          | Т            | _        |          |              |               |
|          | 28       |                | Г        | V            |              | $\overline{}$ |              |              |          |              | 1   |            | 78       |                |          |              |          |              |          |          |              |               |
|          | 29       |                |          | v            | Г            |               |              |              |          |              |     |            | 79       |                |          |              |          |              |          |          |              |               |
|          | 30       | _              | $\vdash$ |              |              |               |              |              |          |              | ĺ   |            | 80       |                |          |              |          |              |          |          |              |               |
|          | 31       |                |          |              |              |               |              |              |          |              | 1   |            | 81       |                |          |              |          |              |          |          |              |               |
|          | 32       |                |          | Г            | Г            | ·             |              |              |          |              | 1   |            | 82       |                |          |              |          |              |          |          |              |               |
|          | 33       |                |          |              |              |               |              |              |          |              |     |            | 83       |                |          |              |          |              |          |          |              |               |
|          | 34       |                |          |              |              |               |              |              |          |              | ]   |            | 84       |                |          |              |          |              |          |          |              |               |
|          | 35       |                |          |              |              |               |              |              |          |              |     |            | 85       |                |          |              |          |              |          |          |              |               |
|          | 36       |                |          |              |              |               |              |              |          |              |     |            | 86       |                |          |              |          |              |          |          |              |               |
|          | 37       |                |          |              |              |               |              |              |          |              | ]   |            | 87       |                |          |              |          |              |          |          |              |               |
|          | 38       |                |          |              |              |               | L            |              |          |              | ļ   |            | 88       |                |          | L            |          |              |          |          | Ш            | L             |
|          | 39       |                |          |              | _            |               |              | <u> </u>     | <u> </u> | L            | 1   |            | 89       |                |          | L            |          |              |          |          | Ш            |               |
|          | 40       |                | L.       | <u> </u>     |              |               | <u> </u>     | L            | L        |              | 1   |            | 90       |                |          |              | 匚        | L            |          |          |              |               |
|          | 41       | _              |          | 匚            |              |               | _            |              | ·        |              |     |            | 91       |                |          |              |          | L            | _        |          |              |               |
|          | 42       | L              | _        |              | 匚            | ㄴ             | 匚            | <u> </u>     |          | ╙            | 1   |            | 92       | $oxed{oxed}$   |          |              |          | L            |          |          | Ш            | _             |
|          | 43       |                |          | L            |              | ļ.,           |              |              |          | <u> </u>     | 1   |            | 93       | _              |          |              | _        | <u> </u>     | Ļ        | _        | ш            | _             |
|          | 44       | <u> </u>       |          | <del> </del> | <u> </u>     | <del> </del>  | <del> </del> |              | <u> </u> | ⊢–           | 1   | <u> </u>   | 94       | ļ              |          |              |          | <del> </del> | <b> </b> |          | <b> </b>     |               |
|          | 45       | ⊢              | <u> </u> | $\vdash$     | ⊢            | ⊢             | ⊢            | <u> </u>     | <u> </u> | ├-           | -   | ļ          | 95       | <u> </u>       | <u> </u> | <u> </u>     | <u> </u> | <del> </del> | L        | ⊢        | Ш            | <u> </u>      |
|          | 46       | ├              |          |              | <del> </del> | ├             |              | -            | ļ        | <u> </u>     | 1   |            | 96       | $\vdash$       | -        |              |          |              |          |          | $\vdash$     | -             |
|          | 47       | <del> </del>   | ├-       | ⊢            | $\vdash$     | <del> </del>  | -            | <del> </del> | -        | ├—           | 1   | ļ          | 97       | $\vdash$       | <u> </u> |              | $\vdash$ | ├            | -        | $\vdash$ | H            | $\vdash$      |
|          | 48<br>49 | ├-             | $\vdash$ | $\vdash$     |              | $\vdash$      | $\vdash$     | $\vdash$     | -        | <del>-</del> | 1   | <b> </b>   | 98<br>99 | <del>  -</del> | <u> </u> | <u> </u>     |          | ╁            | H        | -        | $\vdash$     | -             |
|          | 50       | <del>  -</del> | ├        | -            | <del> </del> | <u> </u>      | -            | -            | -        | ├            | 1   | <b></b>    | 100      | -              |          | <del> </del> |          | -            |          | ⊢        | <del> </del> | $\vdash$      |
|          | 1 20     |                | L        | L            | 1            | <u> </u>      | L            | L            | l        | <u> </u>     | j   | Ь.         | LIUU     | Ц_             |          |              | Ц        | Щ            | ш        | L        |              |               |

|           |                                 | D-1  |              |  |                           |          |  |          |          |                 |  |
|-----------|---------------------------------|--|--------------|--|---------------------------|----------|--|----------|----------|-----------------|--|
| Cla       | _                               | _  |              | [  | ate                       | -        |  |          |          |                 |  |
| Final     | Original                        |  |              |  |                           |          |  |          |          |                 |  |
|           | 101                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 101<br>102                      |  |              |  |                           |          | -  |          |          | П               |  |
|           | 103                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 104                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 105                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 106                             |  |              |  |                           |          |  |          |          | Ш               |  |
|           | 107                             |  |              |  |                           |          | _  |          |          | $\vdash$        |  |
|           | 108                             | _  |              |  |                           | -        | _  |          |          | _               |  |
|           | 109                             |  | -            | $\vdash$   | _                         |          |  |          |          | -               |  |
|           | 110<br>111<br>112<br>113        |  | _            | -  | _                         |          |  |          |          | $\vdash$        |  |
|           | 112                             |  |              | Н  |                           | -        | -  |          |          |                 |  |
|           | 113                             |  | _            | Н  |                           |          | -  | -        |          | $\dashv$        |  |
|           | 114                             | ┝  | ┝            | -  | -                         | H        | -  | -        | -        |                 |  |
|           | 114<br>115                      | H  | ┢            | $\vdash$   | _                         |          | $\vdash$   | 一        |          | $\neg$          |  |
|           | 116                             | -  |              |  |                           | -        | <u> </u>   |          |          |                 |  |
|           | 117                             |  | $\vdash$     |  |                           |          |  | $\vdash$ | $\vdash$ |                 |  |
|           | 118                             |  | _            |  |                           | _        |  |          |          |                 |  |
|           | 119                             |  |              | Г  |                           |          |  |          |          |                 |  |
|           | 120                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 121                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 122                             |  |              |  |                           |          | L.   |          |          |                 |  |
|           | 120<br>121<br>122<br>123<br>124 |  |              | _  |                           |          | _  | ļ        | L        |                 |  |
|           | 124                             | <u> </u>   | _            | _  |                           | _        | <u> </u>   | _        |          |                 |  |
|           | 125                             | _  | <u> </u>     | _  |                           |          | -  | <u> </u> | ļ        |                 |  |
|           | 125<br>126<br>127               | <u> </u>   | <del> </del> | H  | _                         | _        |  |          | -        |                 |  |
|           | 128                             |  | $\vdash$     | $\vdash$   |                           | ⊢        | ├─   | ┝        | ┝        |                 |  |
| -         | 128<br>129                      |  |              |  |                           | -        | ├─   | -        | ┝        | $\vdash$        |  |
|           | 130                             | $\vdash$   | ┢            | <del>                                     </del> | _                         | $\vdash$ | -  | -        | ┢╾       | $\vdash$        |  |
|           | 131                             | <u> </u>   | <del> </del> | ļ  | -                         |          | <del>                                     </del> | -        | -        | H               |  |
|           | 131<br>132                      | <del>                                     </del> |              | <del>                                     </del> |                           | -        | <u> </u>   |          | ·        | М               |  |
|           | 133                             |  |              |  |                           |          | 一  |          |          | П               |  |
|           | 134                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 135                             |  |              |  |                           |          |  |          |          |                 |  |
|           | 136<br>137                      |  |              |  |                           |          |  |          |          |                 |  |
|           | 137                             |  |              |  |                           |          | _  | L.       |          |                 |  |
|           | 138                             | _  | _            | _  | $ldsymbol{ldsymbol{eta}}$ | <u> </u> | _  | <u> </u> | <u> </u> | Ш               |  |
|           | 139                             | <u> </u>   | _            | <u> </u>   | <u> </u>                  | <u> </u> | <u> </u>   | <u> </u> | <u> </u> | Ш               |  |
|           | 140                             | <u> </u>   |              | -  |                           | -        |  | -        |          | -               |  |
|           | 141                             | -  |              | ⊢  | -                         | ⊢        | $\vdash$   |          | -        | $\vdash \vdash$ |  |
| . <b></b> | 142                             | -  | -            |  | ├                         | -        | -  | ⊢        | ┝        | $\vdash\vdash$  |  |
|           | 143                             |  | -            | ┢  | -                         | -        | <del>                                     </del> | -        | -        | $\vdash \vdash$ |  |
|           | 145                             | <u> </u>   |              | <u> </u>   | $\vdash$                  | $\vdash$ | ╁  | $\vdash$ | <u> </u> | H               |  |
|           | 146                             |  | H            | <b></b>  | H                         | $\vdash$ | ┢  |          | <u> </u> | H               |  |
|           | 147                             | Г  | Г            | Г  | Г                         | Γ        | Т  | T        | T        | М               |  |
|           | 148                             |  |              |  |                           |          |  |          | Г        | М               |  |
|           | 149                             | L  |              |  |                           |          |  |          |          |                 |  |
|           | 150                             |  |              |  |                           |          |  |          |          |                 |  |
|           |                                 |  |              |  |                           |          |  |          |          |                 |  |